**NOTE**

Record the jet needle clip position before removing it. Refer to **Table 1** for the standard jet needle clip position.

3. Raising the needle (lowering the clip) will enrich the mixture between 1/4 and 3/4 throttle openings,

while lowering the needle (raising the clip) will lean the mixture. Refer to **Figure 47**.

4. Install the jet needle and vacuum cylinder as described under *Carburetor Assembly* in this chapter.

High Altitude Adjustment

Honda specifies two different jetting specifications for TRX350 models: standard and high altitude. Use the standard jet when operating the vehicle below 5000 ft. (1500 m). Use the high altitude jet when operating the vehicle between 3000-8000 ft. (1500-2500 m).

1. Remove the carburetor as described in this chapter.
2. Remove the float bowl mounting screws (A, **Figure 42**) and float bowl (B). Do not remove the gasket from the float bowl groove.
3. Remove the standard main jet (A, **Figure 48**) and install the high altitude main jet as listed in **Table 1**.
4. Turn the pilot screw (B, **Figure 48**) clockwise 3/4 turn.
5. Reassemble and install the carburetor.
6. Adjust the idle speed as described in Chapter Three. The idle speed is the same for standard and high altitude carburetor settings.

8

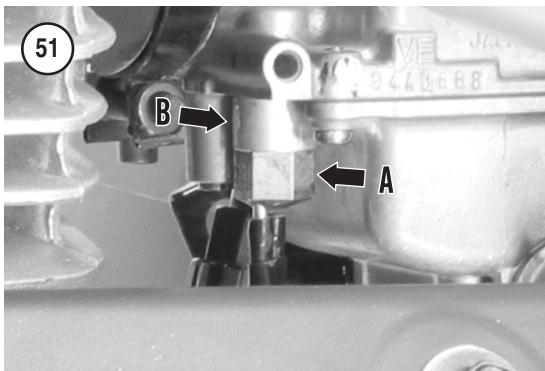
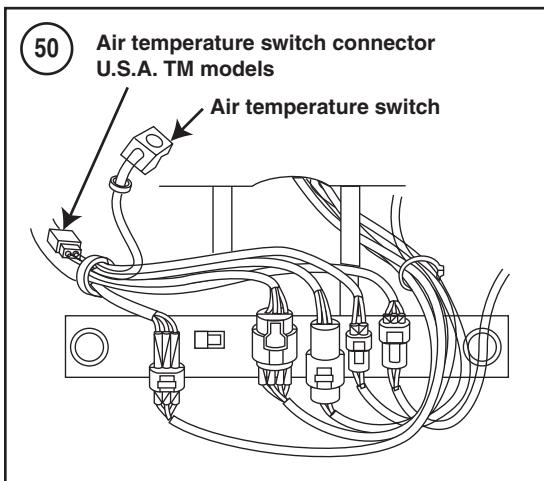
CAUTION

If the ATV is operated below 3000 ft. (1000 m) with the high altitude jetting, engine overheating may occur. If the ATV will be operated below this elevation, install the standard main jet and turn the pilot screw out 3/4 turn.

CARBURETOR HEATER**Carburetor Heater Testing**

The carburetor heater may be tested while it is installed on the carburetor, or removed from the carburetor.

1. To test the carburetor heater while it is installed on the ATV, remove the right side cover as described in Chapter Fifteen.
2. Disconnect the electrical lead from the carburetor heater connector (**Figure 49**).
3. Connect ohmmeter leads to the two terminals of the carburetor heater connector lead. Replace the

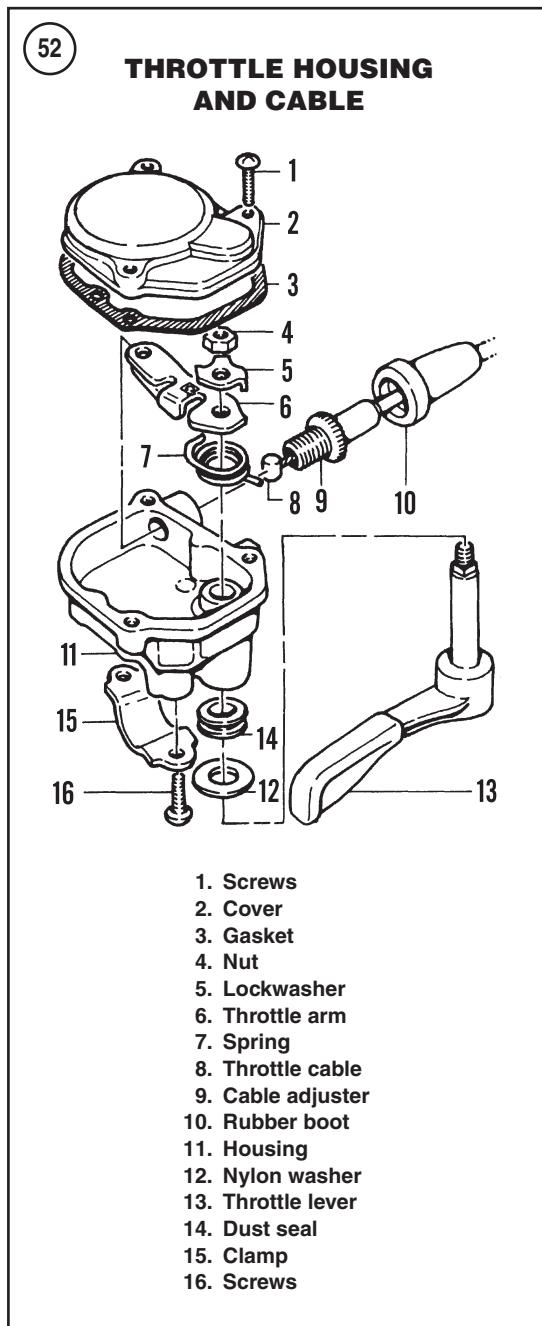


heater if the resistance is outside the range specified in **Table 1**.

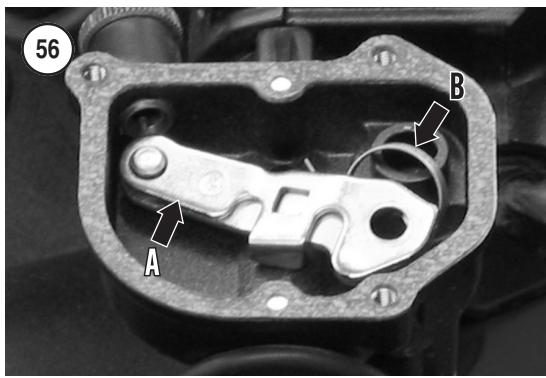
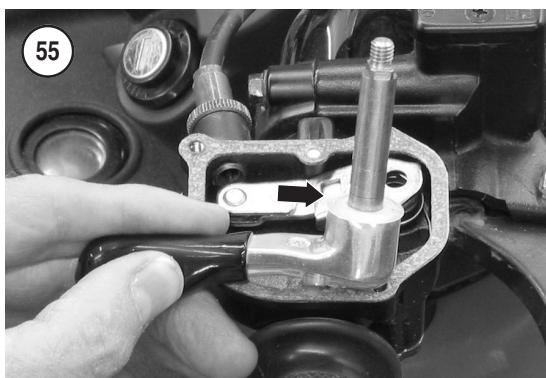
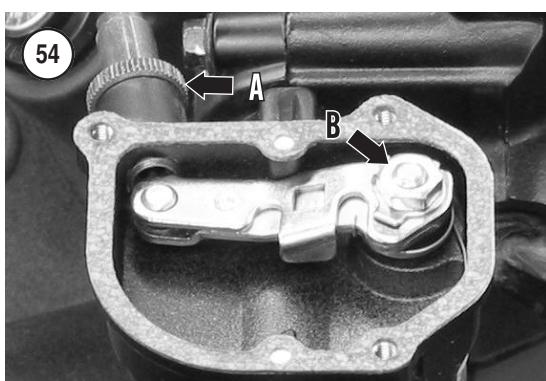
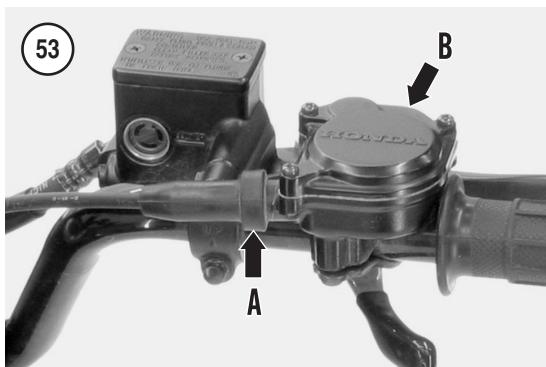
4. If the resistance is within specification, verify the presence of 12 volts at the wiring harness heater connector using a voltmeter. Turn the ignition switch on. Connect the positive tester lead to the brown/black wire terminal. Connect the negative tester lead to the yellow wire terminal. If the voltmeter does not indicate 12 volts, refer to Chapter Nine and determine cause.
5. On TM models, if the carburetor heater and power circuit test as specified, check the air temperature sensor as described in the following section.

Air Temperature Switch Testing

1. Unplug the air temperature switch connector (**Figure 50**) from the wiring harness.
2. Remove the air temperature switch and immerse it in a pan of ice.



3. After the switch has sat in the ice for approximately 5 minutes, check the continuity between the two terminals in the switch connector.
4. The chilled switch should have continuity (zero or very low resistance).
5. Remove the switch from the cold water. Allow the switch to warm to a temperature greater than 68°



F (20° C) and recheck continuity at the switch terminals.

6. The warm switch should have no continuity.
7. Replace the air temperature switch if it fails either test.

Removal/Installation

1. Remove the right side cover as described in Chapter Fifteen.
2. Disconnect the electrical lead from the carburetor heater connector (**Figure 49**).
3. Unscrew and remove the carburetor heater (A, **Figure 51**) and collar (B) from the bottom of the float bowl.
4. Installation is the reverse of removal.

THROTTLE HOUSING AND CABLE

8

Throttle Housing Disassembly/Inspection/Reassembly

Refer to **Figure 52**.

1. Park the ATV on level ground and set the parking brake.
2. Slide the rubber boot (A, **Figure 53**) off the cable adjuster.
3. Remove the throttle housing cover screws and cover (B, **Figure 53**). Remove the dowel pins, if used.
4. Loosen the throttle cable adjuster locknut (A, **Figure 54**) and loosen the adjuster.
5. Pry the lockwasher tabs away from the throttle arm pivot nut (B, **Figure 54**).
6. Remove the throttle arm pivot nut (B, **Figure 54**) and lockwasher, and then remove the throttle lever and its plastic washer (**Figure 55**).
7. Disconnect the throttle cable from the throttle arm (A, **Figure 56**), and then remove the throttle arm and spring (B).
8. Clean and dry the throttle housing and all parts.
9. Replace the throttle housing dust seal (14, **Figure 52**) if it is damaged.
10. Inspect the throttle lever assembly (**Figure 57**) for:
 - a. Weak or damaged spring.
 - b. Damaged throttle arm.
 - c. Corroded or damaged throttle arm.
 - d. Worn or damaged plastic washer.

Copyright of Honda TRX350 RANCHER, 2000-2006 is the property of Penton Media, Inc. ("Clymer") and its content may not be copied or emailed to multiple sites or posted to a listserv without the copyright holder's express written permission. However, users may print, download, or email articles for individual use.